

| Ref # | Hits   | Search Query   | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|--------------------|------------------|---------|------------------|
| L1    | 24264  | "331"/.ccls.   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:21 |
| L2    | 588    | (generat\$3 near2 (current or charge) or charge adj1 pump\$3) same ((adjust\$4 or detect\$3) near1 (frequency same phase))   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:23 |
| L3    | 373    | (filter or equali\$3 same capacitor) same (switch near1 circuit or dual near1 operat\$3 ) same ( oscillat\$3 or "vco" or voltage near2 oscillat\$3)                        | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:23 |
| L5    | 198    | 1 and 2  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:23 |
| L7    | 443    | ((charg\$3 same discharg\$3) same capacitor) same (charge same pump\$3) same (filter)  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:31 |
| L8    | 318298 | oscillat\$3  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:31 |
| L9    | 394    | 7 and 8  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:31 |
| L10   | 44760  | (data or clock) same recovery  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:32 |
| L11   | 62     | 9 and 10   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:32 |
| S1    | 6      | HSIEH-YI-BIN.in.   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:21 |
| S2    | 16     | LIN-JYH-FONG.in.   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/03 10:50 |
| S3    | 14     | LIN-HSIN-CHIEH.in.   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/03 10:51 |
| S4    | 9      | S3 not S2  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/03 12:12 |
| S5    | 35     | (generat\$3 near1 output adj1 signal) same (filter with capacitor or low near1 filter with capacitor) same (oscillat\$3 or "vco" or voltage adj1 control adj1 oscillat\$3) | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/03 12:14 |
| S6    | 586    | (generat\$3 near2 (current or charge) or charge adj1 pump\$3) same ((adjust\$4 or detect\$3) near1 (frequency same phase))   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/04 12:08 |
| S7    | 5      | S5 and S6  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/03 12:20 |
| S8    | 39185  | switch near2 current   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/03 12:21 |
| S9    | 105664 | switch near2 circuit   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/03 12:21 |

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|-----|--------|--|--------------------|----|----|------------------|
| S10 | 101    | S6 and S9  | US-PGPUB;<br>USPAT | OR | ON | 2005/08/03 12:21 |
| S11 | 60049  | filter same capacitor  | US-PGPUB;<br>USPAT | OR | ON | 2005/08/03 12:21 |
| S12 | 79     | S10 and S11  | US-PGPUB;<br>USPAT | OR | ON | 2005/08/03 12:21 |
| S13 | 317895 | oscillat\$3  | US-PGPUB;<br>USPAT | OR | ON | 2005/08/03 12:21 |
| S14 | 77     | S12 and S13  | US-PGPUB;<br>USPAT | OR | ON | 2005/08/03 12:22 |
| S15 | 14805  | charge near1 pump\$3   | US-PGPUB;<br>USPAT | OR | ON | 2005/08/03 12:22 |
| S16 | 77     | S14 and S15  | US-PGPUB;<br>USPAT | OR | ON | 2005/08/03 12:22 |
| S17 | 373    | (filter or equali\$3 same capacitor)<br>same (switch near1 circuit or dual<br>near1 operat\$3 ) same ( oscillat\$3<br>or "vco" or voltage near2 oscillat\$3) | US-PGPUB;<br>USPAT | OR | ON | 2005/08/04 12:02 |
| S18 | 373    | (filter or equali\$3 same capacitor)<br>same (switch near1 circuit or dual<br>near1 operat\$3 ) same ( oscillat\$3<br>or "vco" or voltage near2 oscillat\$3) | US-PGPUB;<br>USPAT | OR | ON | 2005/08/05 10:23 |
| S19 | 570    | 455/3.04,255,262,265.ccls.   | US-PGPUB;<br>USPAT | OR | ON | 2005/08/04 12:02 |
| S20 | 4      | S18 and S19  | US-PGPUB;<br>USPAT | OR | ON | 2005/08/04 12:03 |
| S21 | 379    | (filter or equali\$3) same (switch<br>near1 circuit or dual near1 operat\$3<br>) same ( oscillat\$3 or "vco" or<br>voltage near2 oscillat\$3)                | US-PGPUB;<br>USPAT | OR | ON | 2005/08/04 12:06 |
| S22 | 4      | S19 and S21  | US-PGPUB;<br>USPAT | OR | ON | 2005/08/04 12:06 |
| S24 | 361    | 329/346,358,360.ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2005/08/04 12:07 |
| S25 | 1      | S21 and S24  | US-PGPUB;<br>USPAT | OR | ON | 2005/08/04 12:07 |
| S26 | 588    | (generat\$3 near2 (current or<br>charge) or charge adj1 pump\$3)<br>same ((adjust\$4 or detect\$3) near1<br>(frequency same phase))                          | US-PGPUB;<br>USPAT | OR | ON | 2005/08/05 10:23 |
| S27 | 1      | S21 and S26  | US-PGPUB;<br>USPAT | OR | ON | 2005/08/04 12:13 |
| S30 | 2327   | (charg\$3 adj1 current or generat\$3<br>near2 current or charge adj1<br>pump\$3)same (phase adj1<br>differen\$3)   | US-PGPUB;<br>USPAT | OR | ON | 2005/08/04 12:36 |
| S31 | 29     | S21 and S30  | US-PGPUB;<br>USPAT | OR | ON | 2005/08/04 12:37 |

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|-------|--------|---|--------------------|------------------|---------|------------------|
| L1    | 24264  | "331"/.ccls.  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:21 |
| L2    | 588    | (generat\$3 near2 (current or charge) or charge adj1 pump\$3) same ((adjust\$4 or detect\$3) near1 (frequency same phase))                          | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:23 |
| L3    | 373    | (filter or equali\$3 same capacitor) same (switch near1 circuit or dual near1 operat\$3 ) same ( oscillat\$3 or "vco" or voltage near2 oscillat\$3) | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:23 |
| L5    | 198    | 1 and 2   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:23 |
| L7    | 443    | ((charg\$3 same discharg\$3) same capacitor) same (charge same pump\$3) same (filter)   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:31 |
| L8    | 318298 | oscillat\$3   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:31 |
| L9    | 394    | 7 and 8   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:31 |
| L10   | 44760  | (data or clock) same recovery   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 10:32 |
| L11   | 62     | 9 and 10  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 11:36 |
| L12   | 3575   | 375/371,374,375,373,376.ccls.   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 11:37 |
| L13   | 17     | 3 and 12  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/08/05 11:37 |